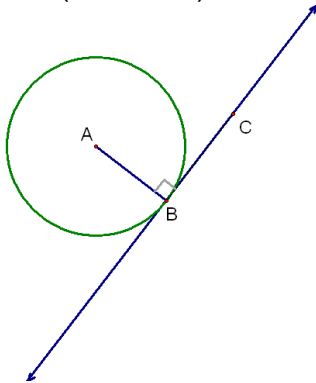


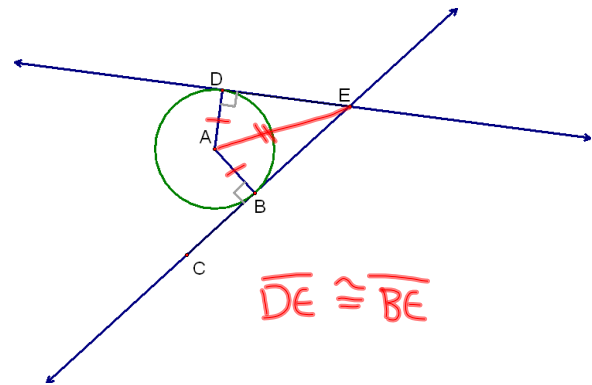
10-5 Tangents

Theorem 10-9--Radius is perpendicular to the tangent at the point of tangency

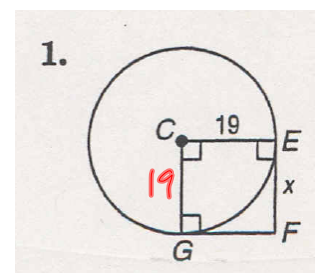
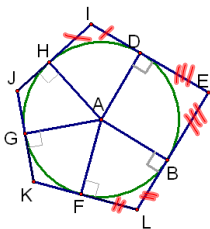
Theorem 10-10--(Converse)



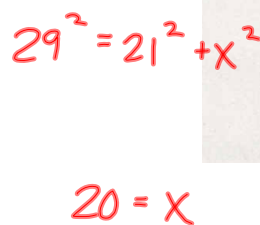
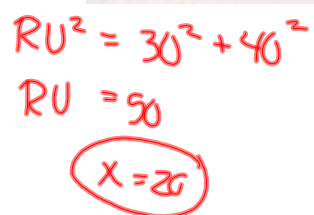
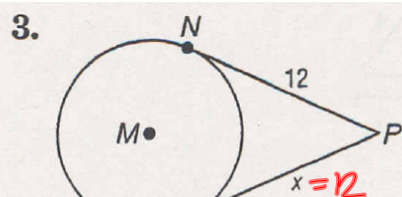
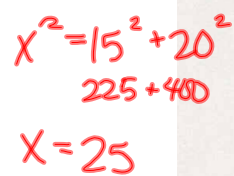
Theorem 10-11--Tangents from the same point are congruent.

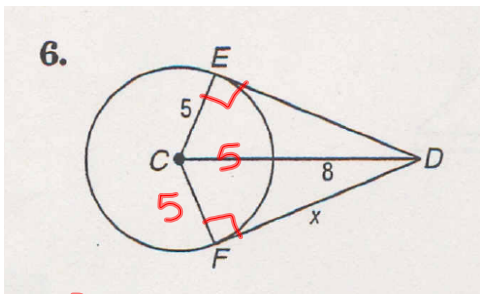


When a circle is inscribed in a polygon, all of the segments of the polygon are tangent to the circle.



$$x = 19$$



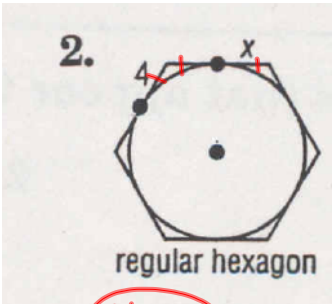
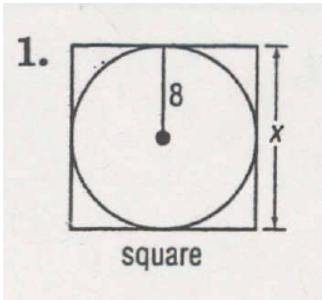


$13^2 = 5^2 + x^2$

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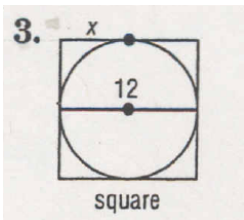
$12 = x$

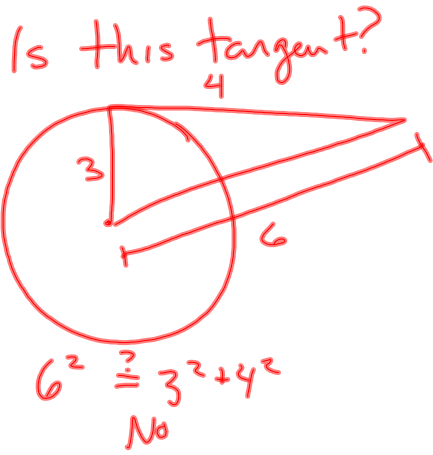
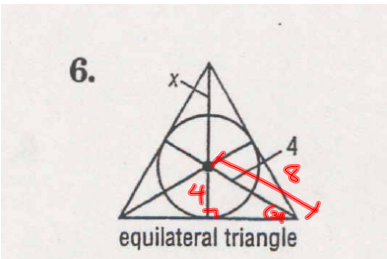
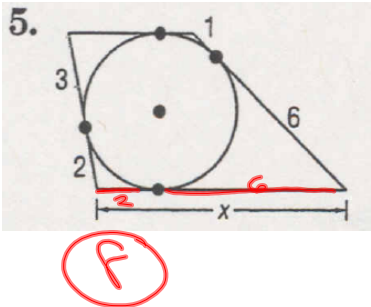
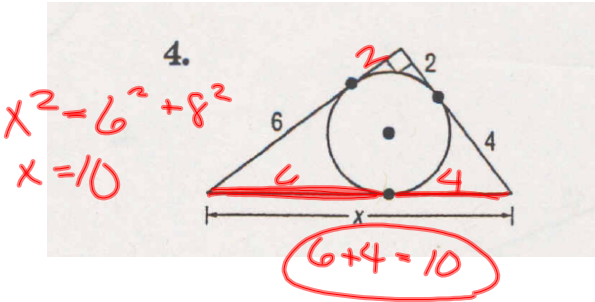
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$x = 4$

$x = 6$





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8-19